

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1.-9. (Cancelled)

10. (Previously Presented) A process for permanently deforming keratin fibers comprising the steps of:

(a) contacting keratin fibers with a reducing composition for a first contact time, wherein the reducing composition comprises at least one keratin-reducing substance and is applied before or after, or before and after mechanically deforming the keratin fibers;

(b) rinsing the keratin fibers with a first rinse after the first contact time;

(c) contacting the keratin fibers for a second contact time with a fixing composition comprising an oxidizing agent for fixing the keratin fibers, wherein at least one of the reducing composition, the fixing composition or the first rinse is in the form of a two-phase or multiphase system and comprises at least one alcohol having 4 to 10 carbon atoms and having only limited miscibility with water, and wherein the two phase or multiphase system is capable of being converted by mechanical agitation into a homogeneous system for application to the fibers; and

(d) rinsing the keratin fibers with a second rinse after the second contact time.

11. (Previously Presented) The process of claim 10, wherein the two phase or multiphase system further comprises at least one oil.

12. (Previously Presented) The process of claim 11 wherein the oil is selected from one or more vegetable oils, paraffin oils or silicones, or combinations thereof.

13. (Previously Presented) The process of claim 12 wherein the alcohol having only limited miscibility with water comprises a diol or triol.

14. (Previously Presented) The process of claim 10 wherein the alcohol having only limited miscibility with water comprises a diol or triol.

15. (Previously Presented) The process of claim 10 wherein the alcohol having only limited miscibility with water is branched.

16. (Previously Presented) A keratin fiber reducing composition for permanently deforming keratin fibers comprising:

- a) at least one keratin-reducing substance; and
- b) at least one alcohol having 4 to 10 carbon atoms and having only limited miscibility with water;

wherein the composition is in the form of a two-phase or multiphase system that is capable of being converted by mechanical agitation into a homogeneous system for application to the fibers.

17. (Previously Presented) The composition of claim 16 further comprising at least one oil.

18. (Previously Presented) The composition of claim 17 wherein the oil is selected from one or more vegetable oils, paraffin oils or silicones, or combinations thereof.

19. (Previously Presented) The composition of claim 16 further comprising at least one protein hydrolyzate or a derivative thereof.

20. (Previously Presented) The composition of claim 16 further comprising at least one conditioning agent.

21. (Previously Presented) A keratin fiber fixing composition for permanently deforming keratin fibers comprising:

a) at least one oxidizing agent for fixing keratin fibers; and

b) at least one alcohol having 4 to 10 carbon atoms and having only limited miscibility with water;

wherein the composition is in the form of a two-phase or multiphase system that is capable of being converted by mechanical agitation into a homogeneous system for application to the fibers.

22. (Previously Presented) The composition of claim 21 further comprising at least one oil.

23. (Previously Presented) The composition of claim 22 wherein the oil is selected from one or more vegetable oils, paraffin oils or silicones, or combinations thereof.

24. (Previously Presented) The composition of claim 21 further comprising at least one protein hydrolyzate or a derivative thereof.

25. (Previously Presented) The composition of claim 21 further comprising at least one conditioning agent.

26. (Previously Presented) A composition for rinsing keratin fibers after reducing keratin fibers in a process for permanently deforming keratin fibers comprising at least one alcohol having 4 to 10 carbon atoms and having only limited miscibility with water;

wherein the composition is in the form of a two-phase or multiphase system that is capable of being converted by mechanical agitation into a homogeneous system for application to keratin fibers and wherein the composition is capable of rinsing the keratin fibers after reducing the keratin fibers in a process for permanently deforming keratin fibers.

27. (Previously Presented) The composition of claim 26 further comprising at least one oil.

28. (Previously Presented) The composition of claim 27 wherein the oil is selected from one or more vegetable oils, paraffin oils or silicones, or combinations thereof.

29. (Previously Presented) The composition of claim 26 further comprising at least one protein hydrolyzate or a derivative thereof.

30. (Previously Presented) The composition of claim 26 further comprising at least one conditioning agent.